

EDUCATION	<p><b>University of California, Berkeley</b>, Berkeley, CA <span style="float: right;"><b>2015 - 2020</b></span>  <b>PhD in Electrical Engineering and Computer Sciences</b>            Advised by Professors Laura Waller and Ren Ng.</p> <p><b>Washington University in St. Louis</b>, St. Louis, MO <span style="float: right;"><b>2011 - 2015</b></span>  <b>BS in Electrical Engineering</b>            Engineering Class Valedictorian, graduated Summa Cum Laude.</p>
CURRENT RESEARCH	<p>My research is in computational imaging, which is the joint design of hardware and algorithms for imaging and display systems. I work at the intersection of optics, signal processing, computer graphics, and optimization.</p>
INDUSTRY EXPERIENCE	<p><b>Reality Labs Research at Meta</b>, Research Scientist <span style="float: right;"><b>3/2021 - present</b></span>            Computational display systems for virtual and augmented reality.</p> <p><b>MIT Lincoln Laboratory</b>, Research Intern <span style="float: right;"><b>5/2014 - 8/2014</b></span>            Electromagnetic simulation and optimization for antenna design.</p>
SELECTED PUBLICATIONS	<p><b>Perspective-Correct VR Passthrough without Reprojection</b> <span style="float: right;"><b>2023</b></span>  <b>Grace Kuo</b>, Eric Penner, Seth Moczylowski, Alexander Ching, Douglas Lanman, Nathan Matsuda  <i>SIGGRAPH 2023</i></p> <p><b>Multisource Holography</b> <span style="float: right;"><b>2023</b></span>  <b>Grace Kuo</b>, Florian Schiffers, Douglas Lanman, Oliver Cossairt, Nathan Matsuda  <i>SIGGRAPH Asia 2023</i></p> <p><b>Simultaneous Color Computer Generated Holography</b> <span style="float: right;"><b>2023</b></span>            Eric Markley, Nathan Matsuda, Florian Schiffers, Oliver Cossairt, <b>Grace Kuo</b>  <i>SIGGRAPH Asia 2023</i></p> <p><b>High Resolution Étendue Expansion for Holographic Displays</b> <span style="float: right;"><b>2020</b></span>  <b>Grace Kuo</b>, Laura Waller, Ren Ng, Andrew Maimone  <i>SIGGRAPH 2020</i></p> <p><b>On-chip Fluorescence Microscopy with a Random Microlens Diffuser</b> <span style="float: right;"><b>2020</b></span>  <b>Grace Kuo</b>, Fanglin Linda Liu, Irene Grossrubatscher, Ren Ng, Laura Waller  <i>Optics Express 28.6, pp. 8384-8399</i></p> <p><b>DiffuserCam: Lensless Single-exposure 3D Imaging</b> <span style="float: right;"><b>2018</b></span>  <b>Grace Kuo*</b>, Nick Antipa*, Reinhard Heckel, Ben Mildenhall, Emrah Bostan, Ren Ng, Laura Waller  <i>Optica 5.1, pp. 1-9</i></p>
HONORS AND AWARDS	<p>Siggraph Emerging Technologies Best in Show <span style="float: right;"><b>2023</b></span>            Best Demo, International Conference on Computational Photography <span style="float: right;"><b>2017</b></span>            National Defense Science and Engineering Graduate Fellowship <span style="float: right;"><b>2016 - 2019</b></span>            UC Berkeley EECS Department Fellowship <span style="float: right;"><b>2015 - 2016</b></span></p>
TEACHING, SERVICE, AND OUTREACH	<p>Instructor for EECS 16A (Introduction to EE), UC Berkeley <span style="float: right;"><b>Summer 2020</b></span>            Head Content TA for EECS 16A (Introduction to EE), UC Berkeley <span style="float: right;"><b>Spring 2018</b></span>            EE Graduate Student Association Community Outreach <span style="float: right;"><b>2016 - 2018</b></span>            Berkeley Center for Computational Imaging (BCCI) <span style="float: right;"><b>2016 - 2017</b></span>            Seminar Series Organizer</p>